AIRPORT LAYOUT PLAN CHECKLIST

(REVISED FOR ALASKAN REGION – October 31, 2001)

To be used in conjunction with Advisory Circular 150/5300-13 Change 6.

All airport development carried out at Federally obligated airports shall be done in accordance with an FAA approved ALP.

- **All sheets should be standard sized 22" x 34" (D Size).**
- **All sheets should contain title and revision blocks.**
- **All sheets shall have the FAA Airspace number shown.**
- **In the case of smaller airports, some of the following sheets may be combined if practical and approved by FAA.**
- **The FAA recommends the development of electronic ALPs.**

COMPONENTS

1. **Narrative Report (Summarized or captured on a Standard D size sheet)**
2. **Airport Layout Drawing**
3. **Airport Airspace (Part 77) Drawing**
4. **Inner Portion of the Approach Surface Drawing**
5. **Terminal Area Drawing (if applicable, or include a Building Table with top building elevations within the Airport Layout Drawing)**
6. **Land Use Drawing**
7. **Airport Property Map (Exhibit A)**
8. **Declared Distances Drawing (if applicable)**

Name of Airport: _____

Date of Sponsor Review: _____

Name of Sponsor Project Manager responsible for ALP:_____

Signature of Sponsor submitting Airport Layout Plan to FAA for review:

_____

Date of FAA Review: _____

Name of FAA Project Manager responsible for ALP: _____

Airspace NRA #: _____

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Is this airport/runway a Utiltiy runway (<12,500 lb. Aircraft, ref, 14 CFR Part 77 par. 77.2)? If yes ensure narrative and other ALP sheets clearly note "Utility Runway".

How does the information in the Alaska Supplement compare to this ALP set? If the information in the Supplement is not accurate, provide 5010 update to FAA.

NARRATIVE REPORT SHEET _____ (REVIEW DATE) AC 150/5300-13 Appendix 7 p. 131	YES	NO	NOT APPLICABLE
Note: The Narrative Report sheet is the last sheet of an ALP set.			
1. Forecasts (0-5, 6-10, 11-20 years)			
Total annual operations			
Itinerant and local operations split			
Number based aircraft			
Critical Aircraft- approach speed, wingspan, weight			
Annual Operations of current critical aircraft			
Annual Operations of future critical aircraft			
Number enplanements			
Airport Reference Code- existing/ future (p. 4)			
2. Rationale for proposed development - for new runways discuss items in paragraph 202 (p.9).			
3. Rationale for Modifications of Standards or unusual features (p. 5)			
• Equivalent Level of Safety (Appendixes 8 & 9)			
4. Summary of staged development with estimated costs (CIP)			
5. Letters of Coordination with all levels of Govt. units, as needed.			
6. Is coordination with FHWA required? • If yes is adequate documentation provided			
7. Would increasing runway width be justified for wind coverage?			
REMARKS:			

AIRPORT LAYOUT DRAWING _____ (REVIEW DATE) (scale 1" = 200' to 1" = 600') (p. 132)	YES	NO	NOT APPLICABLE
1. North Arrow, magnetic declination and date			
2. Layout of existing and future facilities			
• If interim development is planned, provide separate drawing to show interim dimensions and locations.			
3. Wind Rose and coverage analysis (pp. 10, and 87)			
• Data Source and time period of data collection			
• Crosswind Coverage 10.5k, 13k, 16k and 20 k			
4. Airport Data Table (Include English units to 0.1' if metric ALP)			
• Airport Elevation (MSL calculated from NAVD88) (p. 1)			
• Airport Reference Point (NAD 83 Datum) (pp. 1 and 107)			
• Mean Maximum Temperature			
• Airport and Terminal Navaids (i.e. VOR,NDB,ASR…)			
• Airport Design Group (pp. 1, 4 , 5, 7 and 251)			
• Airport Approach Category (pp. 1, 4, 5, 7 and 251)			
• Taxiway Lighting & Marking			
5. Runway Data Table (Include English units to 0.1' if metric ALP)			
• Approach Surfaces (with visibility minimums) (see Appendix 16)			
• Declared Distances (p. 133)			
• Instrument Runway			
• Pavement Strength (AC 150/5335-5)			
• Identify runway as utility or not			
• Percentage Wind Coverage (p. 87)			
• Runway Dimensions			
• Runway Safety Area Dimensions (pp. 21, 24, 25, 26 and 139)			
• Runway End Coordinates (NAD 83 Datum - nearest 0.01 second)			
• Runway Lighting Type			
• Runway Protection Zone (RPZ) dimensions (In table & on drawing)			
• Runway Marking Type			
• Runway Object Free Area (ROFA) & Precision Object Free Area (POFA) Dimensions (Existing/Proposed /Ultimate) (p. 22)			
• Runway Visual and Instrument Navaids(i.e. PAPI, ILS, MALSR, REIL….)			
REMARKS:			

AIRPORT LAYOUT DRAWING (continued) (scale 1" = 200' to 1" = 600')	YES	NO	NOT APPLICABLE
6. Legend Tables (existing and future)			
• Airport Reference Point (ARP)			
• Buildings			
• BRL			
• Fencing			
• Property Line			
• Roads			
• Rotating Beacon			
• Shoreline			
• Threshold			
• Trees			
• Topographic Contours			
• VASI or PAPI (Is PAPI pad shown on the drawings?)			
• Wind Cone/ Segmented Circle			
7. Modification to Standards Block (p. 5, appendixes 8 & 9)			
8. Vicinity and Location Maps			
9. Airport Reference Point (p. 107)			
10. Topographic Contours (2' to 10')			
11. Elevations (nearest 1/10 of a foot, NAVD88 datum) (p. 132)			
12. Building Restriction Line (BRL) and associated Part 77 height at the BRL (pp. 1 & 12)			
13. Runway Visibility Zone (if not on Land Use Drawing) (p. 56)			
14. Runway Dimensions (length & width) pp.21, 24, 25, 26 and AC 150/5325-4			
15. Runway Orientation (runway numbers)			
16. Runway True Bearing (nearest 0.01 degree)			
17. Runway Threshold Lights			
18. Runway Safety Areas			
19. Runway Stage Lengths (existing and future, discuss interim in narrative report)			
20. Runway End Coordinates (may be in Runway Data Table)			
• Key RW Stationing is shown (TW & RW intersections, p.132)			
21. Displaced Threshold Coordinates			
22. Monuments (survey monuments & markers)			
23. Runway Object Free Area (ROFA) & Precision Object Free Area (POFA) Dimensions (pp. 2, 22,24-26 & 139)			
24. Runway Obstacle Free Zone (OFZ) Dimensions, airport elevation may increase OFZ size (pp. 2, 21, 22 & 139)			

AIRPORT LAYOUT DRAWING (continued) (scale 1" = 200' to 1" = 600')	YES	NO	NOT APPLICABLE
25. Runway Separations (OFZ may increase standard)(pp. 12, 14-16)			
• Aircraft Parking			
• Building Restriction Line			
• Parallel Runway			
• Parallel Taxiway/ Taxilane			
26. Taxiway Dimensions (length & width) (p. 33)			
27. Taxiway Separations (pp. 33 & 141)			
• Aircraft Parking			
• Parallel Taxiway			
• Runway Centerline			
28. Taxiway Object Free Area (pp 2, 33, 141)			
29. Taxiway Safety Area Dimension (pp. 3, 33, 142)			
31. Aprons- locations and dimensions (p. 117)			
32. Roads (pp. 23, 123)			
33. Building Tables			
34. Location and Vicinity Maps			
35. Hold Position Signs and Markings (p. 134)			
36. Statement "NO THRESHOLD SITING SURFACE ....." (p. 133)			
37. Statement "NO OFZ OBJECT PENETRATIONS" (p. 133)			
38. FAA Airspace Review number is shown on each ALP sheet.			

AIRPORT AIRSPACE DRAWING _____ (REVIEW DATE) (Part 77) Scale 1"= 2000' plan view, 1"= 1000' approach profile	YES	NO	NOT APPLICABLE
ENGLISH UNITS <u>ONLY</u> FOR THIS SHEET.			
1. Plan View (based on ultimate runway lengths)			
• USGS Quad for base map			
• Runway End Numbers			
• 50' elevation contours on sloping surfaces (NAVD88 datum)			
• Top Elevations of Penetrating Objects (add note for penetrations located within the inner portion of the approach surfaces, p. 135)			
• Note specifying height restriction (ordinances/statutes) (p. 135)			
2. Profile View (existing & ultimate approaches)			
• Ground profile			
• Significant Objects (Bluffs, Rivers, Roads, Schools, Towers)			
• Existing & Ultimate Runway Ends and Approach Slopes			
3. Obstruction Data Tables			
• Obstruction Identification Number			
• Description			
• Amount of Surface Penetration			
• Proposed Disposition of the Obstruction			

INNER PORTION OF THE APPROACH SURFACE DRAWING (pp. 2, 13, 19, 20, 134, 135 and 140) Scale 1"=200' Horizontal, 1"=20' Vertical	YES	NO	NOT APPLICABLE
1. Plan View (Existing & Ultimate)			
• Inner Portion of approach			
• Aerial Photo for base map when available			
• Obstructions (identified by numbers)			
• Property Line within the approaches			
• Road & Railroad (RR) Elevations			
• Physical End of RWY, End Number, Elevation (NAVD88)			
• Ground Contours			
2. Profile View			
• Projected View of Plan View			
• Approach slope			
• Obstruction Clearnce Slope (FAA Order 5010.4, Appendix 1, paragraph 57).			
• Terrain in Extended RWY Safety Area (fences, streams, etc.)			
• Obstructions (same numbers as plan view)			
• Touchdown zone elevation (highest point in first 3,000 of RWY)			
• Cross Section of Road & Railroad			
• Part 77 Approach Slopes - Does it start at threshold? (p. 133)			
3. Obstruction Tables for each approach surface			
• Obstruction Identification Number			
• Description			
• Amount of Surface Penetration			
• Proposed Disposition of the Obstruction			

TERMINAL AREA DRAWING _____ (REVIEW DATE) Scale 1" = 50' to 1" = 100'	YES	NO	NOT APPLICABLE
1. Plan View of Aprons, Buildings, Hangars, Parking Lots			
2. Building Data Table			
• Structure Identification Number			
• Top Elevation of Structures			
• Obstruction Marking (existing/future)			
3. Buildings to be Removed or Relocated noted			

DECLARED DISTANCES DWG _____ (REVIEW DATE) (Page 1 & Appendix 14, pages 275 - 282) Scale same as Airport Layout Drawing	YES	NO	NOT APPLICABLE
1. Clearway Identified			
2. Stopway Identified			
3. Displaced Threshold identified			
4. Relocated Threshold identified			
5. End Coordinates of each threshold			
6. Declared Distances Table			
• Takeoff Run Available (TORA)			
• Takeoff Distance Available (TODA)			
• Accelerated Stop Distance Available (ASDA)			
• Landing Distance Available (LDA)			
• All RPZ dimensions			
7. Runway Safety Area			
8. Runway Object Free Area (ROFA) & Precision Object Free Area (POFA)			
9. Approach RPZ			
10. Departure RPZ			
NOTIFICATION to Alaska Supplement (5010 Update) done ?			

LAND USE / PROPERTY & OCCUPANCY PLANS

LAND USE DRAWING (pp.137 - 138) Scale same as ALP Drawing. (Provide English units if metric ALP)	YES	NO	NOT APPLICABLE
1. Plan View of Land Uses by Category (Agricultural, Aeronautical, Commercial, Residential, etc.)			
• Land Use Legend is provided			
2. Public Facilities (schools, hospitals, parks, etc.)			
3. Runway Visibility Zones for Intersecting Runways			
4. Show off airport property out to 65 LDN (p.136 a.)			
5. Drawing Details - show Aprons, BRL, Property Boundary, Runways, Taxiways, RPZs & Navaids			

AIRPORT PROPERTY MAP (EXHIBIT A) (pp. 136 -137 & Order 5100-17 page 1-2) Scale same as ALP Drawing. (Provide English units if metric ALP)	YES	NO	NOT APPLICABLE
1. Plan View showing Tracts and Parcels of Land			
2. Legend - symbols indicating type of monumentation			
3. Data Table (Property Status)			
• Number or Letter and area for each tract / parcel			
• Date Property was acquired or property status			
• Federal Aid Project # under which property was acquired			
• Grantor of property			
4. Distances and drawing scale (Meanders, line and curve data)			
5. Township / Range Meridian and vicinity map is shown			
6. US Survey is shown when available			
7. Sponsor surveyor certification			
8. Revision Block			
9. Approval Blocks (design and ROW)			

LAND OCCUPANCY DRAWING - Is one required? Check with FAA Airport Planner (Provide English units if metric ALP)	YES	NO	NOT APPLICABLE
1. Plan View indicating Lease Lot Locations			
2. Reference lines showing distance right or left of runway centerline including the Building Restriction Line (BRL)			
3. Stationing for runway thresholds, safety areas, taxiway, aprons, runway intersections and at least one station per lease blocks.			
4. Stationing every 500' on the runway, with tick marks every 100'			
5. Runway true bearing, length and width			
6. RPZ dimensions and airport boundary			
7. Airport boundary, buildings, towers, navaids, streams, lakes, ponds, roads, utilities (power lines, fuel tanks, water & sewer lines)			
8. Land Occupancy Block showing lessee, ADA#, square footage, and expiration date of lease			
9. Revision Block			
10. Signature Blocks for DOT&PF			